

PO Job Risk Assessment

Name(s) of Risk Team Members: F. Lincoln, B. Schoenig, C. Thorn, M. Zarcone (facilitator)	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Hazardous materials work Job Number or Job Identifier: PO-JRA-013	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Work in Physics Department with certain hazardous materials, such as lead, beryllium, and mercury. This JRA covers handling such materials. Chemical work is covered in other JRA(s).	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
	Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Training and Procedure List (Optional):						
Rev. #: 0	Date: March 29, 2005					
Stressors (if applicable, please list all):		Reason for Revision (if applicable):			Comments:	

				Before Additional Controls								After Additional Controls					
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
Handling and working with lead	Overexertion injuries caused by excessive lifting, pushing, pulling, holding, carrying or throwing of an object	Squat lifting technique, training, use of hand carts, limiting amount of daily lifting	N	1	2	3	2	12									
	Being struck by dropped object	Safety shoes, training, work gloves	N	1	2	4	2	16									

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				Before Additional Controls							After Additional Controls					
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Handling and working with lead	Ingestion, inhalation	Lead awareness training, area monitoring, personnel monitoring, CMS, encapsulation of lead objects, PPE, prohibition of cutting/shaping lead unless SME reviews process, ventilation, HEPA vacuums, water spray bottles, housekeeping, work planning, minimization of lead usage, warning signs	N	1	1	1	1	1								
Handling and working with beryllium	Ingestion, inhalation	BURFs, Be training, work planning, PPE, CMS, labeling, HEPA vacuums, ventilation, DOE Be-worker program, minimization of usage, glove bags, hoods, housekeeping, use of coated articles	N	1	3	1	1	3								
Handling and working with mercury	Inhalation, absorption through skin, ingestion	Training, PPE, work planning, area monitoring, minimization of usage, secondary containment, spill response, ventilation, work in hood	N	1	2	2	2	8								
Further Description of Controls Added to Reduce Risk:																

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*Risk:	0 to 20 Negligible	21 to 40 Acceptable		41 to 60 Moderate					61 to 80 Substantial		81 or greater Intolerable					